



Chunghwa Picture Tubes, Ltd.

Technical Specification

To :

Date : 2004.04.02

CPT TFT-LCD

CLAA370WA01

ACCEPTED BY :

(TENTATIVE)

APPROVED BY	CHECKED BY	PREPARED BY
		TFT-LCD Product Planning Management General Division

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**T- 3650002- 000- A
NEW**



1. GENERAL SPECIFICATION

ITEM	SPECIFICATION
Display Area(mm)	819.6(H) × 460.8(V) (37.0 inch diagonal)
Number of Pixels	1366(H) × 768(V)
Pixel Pitch(mm)	0.6(H) × 0.6(V)
Color Pixel Arrangement	RGB vertical strip
Display Mode	P-MVA Normally Black
Number of Colors	16.7M (8bits/color)
Color Gamun	72%
Brightness(cd/m ²)	550(cd/m ²)
Contrast Ratio	800:1
Response Time	12ms
Viewing Angle	(-85~85)(H), (-85~85)(V)(Typ.)
Surface Treatment	Anti-Glare
Electrical Interface	LVDS
Module Size(mm)	877.0(W) × 517.0(H) × 52.5(D) (Typ.)
Backlight Unit	16 CCFLs of Direct Light

2. INTERFACE PIN CONNECTION

(a) TFT-LCD Signal

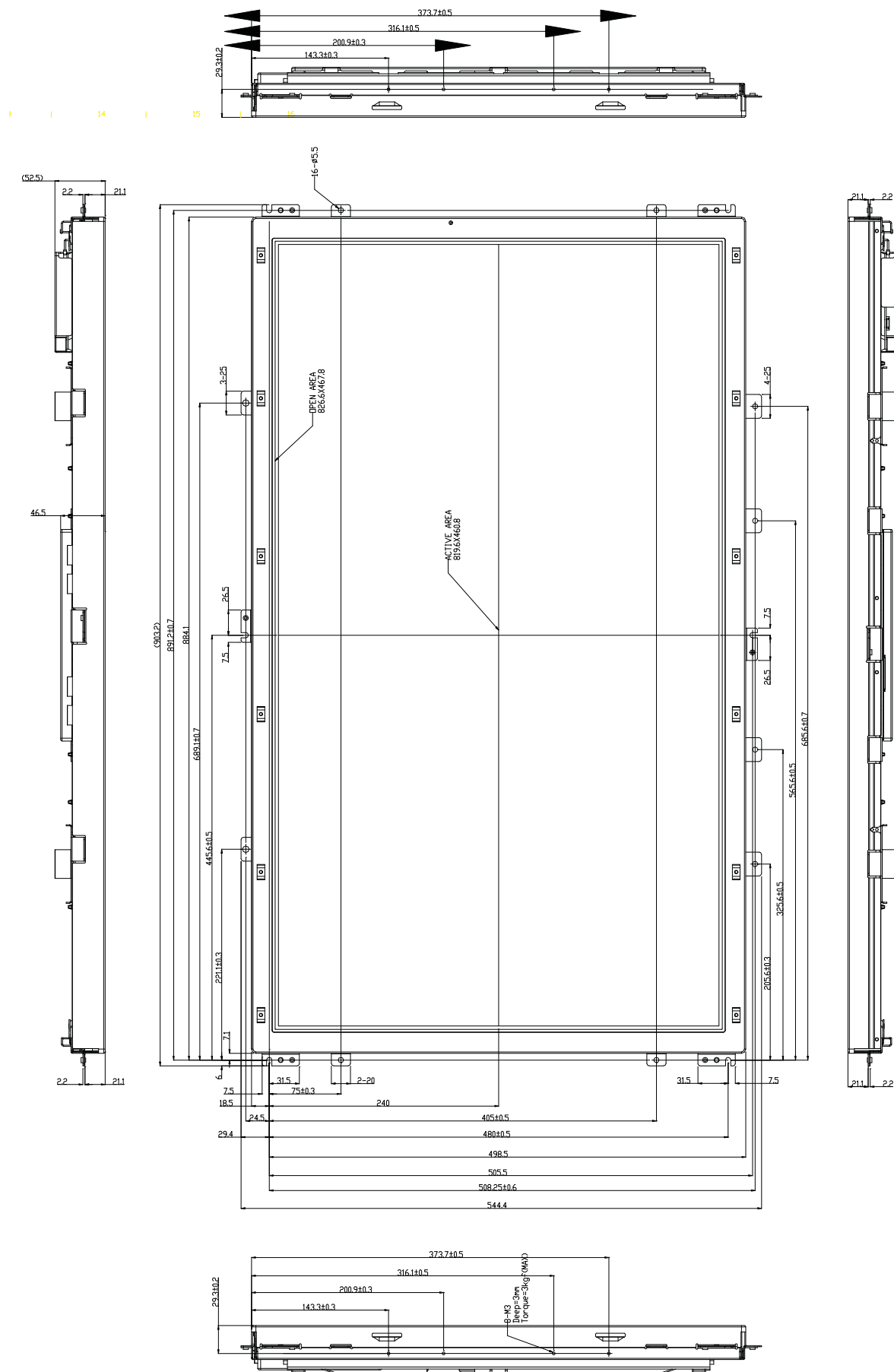
Pin	Symbol	Function	Pin	Symbol	Function
1	VDDD	Power supply, +12V	16	GND	Ground
2	VDDD	Power supply, +12V	17	RIN3-	LVDS data input
3	GND	Ground	18	RIN3+	LVDS data input
4	GND	Ground	19	GND	Ground
5	RIN0-	LVDS data input	20	NC	
6	RIN0+	LVDS data input	21	NC	
7	GND	Ground	22	NC	
8	RIN1-	LVDS data input	23	NCM	NCM selector
9	RIN1+	LVDS data input	24	NCM	NCM selector
10	GND	Ground	25	NC	
11	RIN2-	LVDS data input	26	NC	
12	RIN2+	LVDS data input	27	DMS	Data mapping selector
13	GND	Ground	28	GND	Ground
14	RCLK IN-	LVDS clock input	29	GND	Ground
15	RCLK IN+	LVDS clock input	30	GND	Ground

(b) Inverter Input (Back Light)

Pin	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Signal name	VBL					GND					NC	BLON	VDIM	GND
Feature	+24V					Ground						BL ON/OFF	Dimming	Ground

3. MECHANICAL SPECIFICATION

(a) Front side





(b) Rear side

